# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Tuesday 14 Mar 2023 until 23:59 on Wednesday 15 Mar 2023

Forecast Issued on Tuesday 14 Mar 2023 at 03:02

**Confidence:** High for wintry showers Tuesday, largely settled early Wednesday then unsettled thereafter, but lowering for detail of cloud, transitions and snow levels.

**Headline for Tuesday 14 Mar 2023:** Wintry showers. Severe wind chill at height in fresh to strong summit winds.

**Mountain weather hazards on Tuesday 14 Mar 2023**

**Blizzards**
No Likelihood

**Gales**
No Likelihood

**Thunderstorms**
Low Likelihood

**Heavy persistent snow**
Low Likelihood

**Severe chill effect**
Medium Likelihood

**Heavy persistent rain**
No Likelihood

**Storm force winds**
No Likelihood

**Poor visibility**
Low Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Light snow | Sunny intervals | Light snow showers | Heavy snow | Heavy snow | Light snow showers (night) |
| Precipitation probability | | | | | |
| 20% | 10% | 60% | 70% | 60% | 30% |

**Forecast for Tuesday 14 Mar 2023**

**Weather:** Area of cloud, snow and at lower levels rain, clearing to the south shortly after sunrise. This leaves a mix of clear then brighter spells mixed with snow showers. Best of the brightness expected for the morning, with showers building for the afternoon, heavy at times with a risk of thunder. Showers dying away through the evening.

**Chance of cloud-free hill tops above 600m:** Initially 30% but soon becoming 90% through morning. Becoming 70% in the afternoon, but limited prospect of prolonged clear spells given the showery nature of the flow.

**Low cloud and visibility:** Very poor in early snow and virtually nil in extensive cloud down to 500m, but soon becoming good or very good. Becoming poor or very poor in afternoon snow showers and within cloud with bases again lowering to around 400m on occasion.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2023. All Rights Reserved.

# Mountain Weather Forecast

**Forecast for Tuesday 14 Mar 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 16/20 N | 16/19 W | 21/28 W | 22/29 W | 16/22 W | 11/16 N | 9/13 N |
| **300** | 11/15 N | 12/15 NW | 17/24 W | 17/25 W | 11/16 W | 9/14 NW | 5/8 SW |
| **Valley** | 7/17 N | 7/14 NW | 13/26 W | 15/27 W | 8/17 W | 7/14 NW | 3/6 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | -2/-9 | -2/-8 | 0/-7 | -1/-8 | -2/-8 | -2/-7 | -3/-8 |
| **300** | 0/-5 | 1/-4 | 3/-2 | 2/-4 | 1/-4 | 0/-4 | -1/-4 |
| **Valley** | 1/-2 | 2/-1 | 4/0 | 2/-4 | 1/-2 | 0/-3 | -2/-4 |
| **Freezing Level*** | 200m | 200m | 300m | 300m | 300m | 200m | 00m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Winds and low freezing level bringing severe wind chill.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Tue 14 Mar 2023 | 34.6mm | 42.6mm | 44mm |

**Forecast for Wednesday 15 Mar 2023**

**Weather:** Largely dry, bright, icy start to Wednesday. Cloud gradually thickening and lowering from the west to bring patchy snow late afternoon, which turns heavier through the evening, turning to rain at all levels into the late evening.

**Maximum wind:** Variable 15 mph or less becoming southerly 25-30 mph with gusts up to 40 mph for the evening.

**Chance of cloud-free hill tops above 600m:** 90% plus becoming 70% mid-afternoon, 20% evening.

**Low cloud and visibility:** Good or very good becoming poor or very poor in snow, virtually nil within cloud with bases lowering 500m infrequently for morning, occasionally for afternoon, then widespread for the evening.

**Temperature:** **Valleys:** Minus 3 deg Celsius increasing Plus 5 deg Celsius later in day.
**At 600m:** Minus 3 deg Celsius increasing Plus 1 deg Celsius late in day.
**Freezing level:** 200m or less, increasing 600m by evening and above peaks by midnight.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2023. All Rights Reserved.